


Job Name	Tuchman Cleaners	Boring No.	SB-03	Groundwater Levels	
Job No.	20405.012.001.1323.00	Well Type	N/A	Date	Depth
Date Drilled	24 Jan 11	Drilling Method	Direct Push		
Drilling Co.	IEGS	Completion Depth	16.0 (ft bgs)		
Drill Foreman	Andy	Location			
Logged By	Michael Blair	Drill Rig Type	Geoprobe		

Depth ft BGS	Sample No.	Sample Blow Counts (per 6 in.)	Rec. (Ft.)	Visual Description	FID/OVA HEATED HEADSPACE
1				Asphalt pavement	1.0'
2			1	Yellow brown sand with trace silt. Material is loose, moist.	1.2 ppm
4				US EPA RECORDS CENTER REGION 5  429682	
6			1.75		1.0 ppm
8					8.0'
10			1.75	Yellow brown silty clay with trace gravel. Material is moist and soft.	1.6 ppm
12					12'
14			2.5	Yellow brown gravel with some sand. Material is saturated & loose.	0.8ppm
16					16'
18					

Job Name	Tuchman Cleaners	Boring No.	SB-04	Groundwater Levels	
Job No.	20405.012.001.1323.00	Well Type	N/A	Date	Depth
Date Drilled	24 Jan 11	Drilling Method	Direct Push		
Drilling Co.	IEGS	Completion Depth	20.0 (ft bgs)		
Drill Foreman	Andy	Location			
Logged By	Michael Blair	Drill Rig Type	Geoprobe		

Depth ft BGS	Sample No.	Sample Blow Counts (per 6 in.)	Rec. (Ft.)	Visual Description	FID/OVA HEATED HEADSPACE
				Asphalt pavement	0.25'
2			1	Brown sand and gravel. Material is loose and moist. Yellow brown sand with trace silt. Material is loose, moist.	1.6 ppm
4					
6			1	Note: Small brick fragment.	
8					
10			1.75	Note: Material color change to mottled yellow & dark brown starting at 8.0 ft.	0.8 ppm
12				Note: Color grades rom mottled dark brown & yellow to light tan starting at 11.5 ft.	12'
14			1	Mottled yellow & light tan gravel with some sand trace silt/cobble. Material is loose and moist.	1.0 ppm
16					16'
18			1	Brown gravel with trace sand/silt. Material is loose & saturated.	1.2 ppm

WESTON SOLUTIONS, INC.				Drilling/Lithologic Log		PAGE 1 OF 1	
Job Name		Tuchman Cleaners		Boring No.		SB-05	
Job No.		20405.012.001.1323.00		Well Type		N/A	
Date Drilled		24 Jan 11		Drilling Method		Direct Push	
Drilling Co.		IEGS		Completion Depth		16.0 (ft bgs)	
Drill Foreman		Andy		Location			
Logged By		Michael Blair		Drill Rig Type		Geoprobe	
Depth ft BGS	Sample No.	Sample Blow Counts (per 6 in.)	Rec. (Ft.)	Visual Description			FID/OVA HEATED HEADSPACE
				Asphalt pavement			0.25'
2			1.5	Brown silty clay with trace black cinders. Material is very soft & moist.			2.5 ppm
4				Note: Material grades to having some gravel associated with it.			
6			2.5	6.0'			1.8 ppm
8				Yellow brown gravel and sand with some cobbles. Material is loose, moist.			
10			2.5				2.5 ppm
12							
14			1.5				2.5 ppm
16				16'			
18							

Job Name		Tuchman Cleaners		Boring No.	SB-06	Groundwater Levels	
Job No.		20405.012.001.1323.00		Well Type	N/A	Date	Depth
Date Drilled		24 Jan 11		Drilling Method	Direct Push		
Drilling Co.		IEGS		Completion Depth	16.0 (ft bgs)		
Drill Foreman		Andy		Location			
Logged By		Michael Blair		Drill Rig Type	Geoprobe		

Depth ft BGS	Sample No.	Sample Blow Counts (per 6 in.)	Rec. (Ft.)	Visual Description	FID/OVA HEATED HEADSPACE
				Asphalt pavement	0.25'
2			0.25	Note: No recovery for this interval.	2.5 ppm
4					
6			1.25	Mottled yellow & light tan gravel and sand with trace cobble. Material is loose and dry to moist.	2.2 ppm
8					
10			2.5		2.5 ppm
12					
14			1.25		1.8 ppm
16				Note: Material wet (saturated) @ 16.0'	16'
18					

Job Name	Tuchman Cleaners	Boring No.	SB-07	Groundwater Levels	
Job No.	20405.012.001.1323.00	Well Type	N/A		
Date Drilled	24 Jan 11	Drilling Method	Direct Push	Date	Depth
Drilling Co.	IEGS	Completion Depth	16.0 (ft bgs)		
Drill Foreman	Andy	Location			
Logged By	Michael Blair	Drill Rig Type	Geoprobe		

Depth ft BGS	Sample No.	Sample Blow Counts (per 6 in.)	Rec. (Ft.)	Visual Description	FID/OVA HEATED HEADSPACE
				Asphalt pavement	0.25'
2			0.25	Brown silty clay. Material is very soft and moist.	2.7 ppm
4					
6			2.25	6.0'	2.9 ppm
8				Mottled yellow and light tan gravel and sand with trace cobble. Material is loose and dry to moist.	
10			2		2.5 ppm
12					
14			1.5		2.2 ppm
16				Note: Material wet (saturated) @ 16.0'	16'
18					

Job Name		Tuchman Cleaners		Boring No.	SB-08	Groundwater Levels	
Job No.		20405.012.001.1323.00		Well Type	N/A	Date	Depth
Date Drilled		24 Jan 11		Drilling Method	Direct Push		
Drilling Co.		IEGS		Completion Depth	16.0 (ft bgs)		
Drill Foreman		Andy		Location			
Logged By		Michael Blair		Drill Rig Type	Geoprobe		

Depth ft BGS	Sample No.	Sample Blow Counts (per 6 in.)	Rec. (Ft.)	Visual Description	FID/OVA HEATED HEADSPACE
				Asphalt pavement	0.5'
2			1.9	Dark brown clay with trace silt & gravel. Material is very soft and moist.	
4					
6			2		
8				Mottled yellow and light tan gravel and sand with trace sandstone cobble/black shale fragments. Material is loose and dry.	7.0'
10			2.5		
12					
14			2.5		
16				Note: Material wet (saturated) @ 15.0'	16'
18					

Job Name		Tuchman Cleaners		Boring No.	SB-09	Groundwater Levels	
Job No.		20405.012.001.1323.00		Well Type	N/A	Date	Depth
Date Drilled		25 Jan 11		Drilling Method	Direct Push		
Drilling Co.		IEGS		Completion Depth	16.0 (ft bgs)		
Drill Foreman		Andy		Location	Near bldg NE corner		
Logged By		Michael Blair		Drill Rig Type	Geoprobe		
Depth ft BGS	Sample No.	Sample Blow Counts (per 6 in.)	Rec. (Ft.)	Visual Description		FID/OVA HEATED HEADSPACE	
—				Concrete		1.0'	
2			1.9	Dark brown silty clay with trace gravel. Material is soft & moist.		0.8 ppm	
4							
6			2			1.0 ppm	
8				7.0'			
				Mottled yellow and light tan gravel and sand with trace cobble. Material is loose and moist.			
10			2.5			1.2 ppm	
12							
14			2.5			1.4 ppm	
16				Note: Material grades to gravel with some sand, loose and wet (saturated) @ 15.0'.		16'	
18							

Job Name		Tuchman Cleaners		Boring No.	SB-09	Groundwater Levels	
Job No.		20405.012.001.1323.00		Well Type	N/A	Date	Depth
Date Drilled		25 Jan 11		Drilling Method	Direct Push		
Drilling Co.		IEGS		Completion Depth	16.0 (ft bgs)		
Drill Foreman		Andy		Location			
Logged By		Michael Blair		Drill Rig Type	Geoprobe		

Depth ft BGS	Sample No.	Sample Blow Counts (per 6 in.)	Rec. (Ft.)	Visual Description	FID/OVA HEATED HEADSPACE
				Concrete	0.5'
2			1.5	Dark brown silty clay with trace gravel. Material is soft & moist.	1 ppm
4				Yellow brown well sorted, coarse grained sand. Material is loose, wet.	
6			2	Brown clayey silt with trace gravel. Material is soft & moist.	0.2 ppm
8					
10			2	Mottled light tan and yellow gravel and sand with some cobble. Material is loose, moist.	0.6 ppm
12					
14			2.5	Note: Material grades to gravel & sand starting @ 12.0'.	0.0 ppm
16				Note: Material is wet (saturated) @ 15.0'.	
18					

Job Name	Tuchman Cleaners	Boring No.	SB-11	Groundwater Levels	
Job No.	20405.012.001.1323.00	Well Type	N/A		
Date Drilled	25 Jan 11	Drilling Method	Direct Push	Date	Depth
Drilling Co.	IEGS	Completion Depth	16.0 (ft bgs)		
Drill Foreman	Andy	Location			
Logged By	Michael Blair	Drill Rig Type	Geoprobe		

Depth ft BGS	Sample No.	Sample Blow Counts (per 6 in.)	Rec. (Ft.)	Visual Description	FID/OVA HEATED HEADSPACE
				Concrete	0.5'
2			1.5	Yellow brown well sorted, coarse grained sand. Material is loose and Moist	1.8 ppm
4					
6			2	Brown clayey silt with trace gravel. Material is stiff & moist.	0.8 ppm
8					8.0'
10			2.5	Mottled light tan and yellow gravel, sand and cobble. Material is loose, moist.	1.6 ppm
12					
14			1	Note: Material grades to gravel & sand starting @ 15'. Note: Material is wet (saturated) @ 15.0'.	1.0 ppm
16					16'
18					

Job Name	Tuchman Cleaners	Boring No.	SB-12	Groundwater Levels	
Job No.	20405.012.001.1323.00	Well Type	N/A		
Date Drilled	25 Jan 11	Drilling Method	Direct Push		
Drilling Co.	IEGS	Completion Depth	16.0 (ft bgs)		
Drill Foreman	Andy	Location			
Logged By	Michael Blair	Drill Rig Type	Geoprobe		

Depth ft BGS	Sample No.	Sample Blow Counts (per 6 in.)	Rec. (Ft.)	Visual Description	FID/OVA HEATED HEADSPACE
				Concrete	0.5'
2			1	Yellow brown well sorted, coarse grained sand. Material is loose and Moist	60.2 ppm
4					3.5'
6			1.5	Brownish black silty clay. Material is very soft and moist, with some odor.	435 ppm
8					7.0'
10			2	Mottled light tan and yellow gravel, sand and cobble. Material is loose, moist.	85.9 ppm
12					
14			2		591 ppm
16					15'
18				Orange gravel with some sand. Material is loose, wet (saturated) with a strong odor.	

Job Name		Tuchman Cleaners		Boring No.	SB-13	Groundwater Levels	
Job No.		20405.012.001.1323.00		Well Type	N/A	Date	Depth
Date Drilled		25 Jan 11		Drilling Method	Direct Push		
Drilling Co.		IEGS		Completion Depth	16.0 (ft bgs)		
Drill Foreman		Andy		Location			
Logged By		Michael Blair		Drill Rig Type	Geoprobe		
Depth ft BGS	Sample No.	Sample Blow Counts (per 6 in.)	Rec. (Ft.)	Visual Description			FID/OVA HEATED HEADSPACE
				Concrete			0.5'
2			1.75	Brown clayey silt with trace gravel. Material is soft and moist. Moist			0.0 ppm
4							
6			1.75	4.5' Yellow brown clayey sand with trace gravel. Material is very soft and moist.			0.0 ppm
8							
10			1	8.0' Yellow brown silty sand with trace gravel. Material is loose and moist.			0.2 ppm
12							
14			1	11.5' Yellow gravel and sand which is loose and moist.			3.7 ppm
16							
18				15' Yellow gravel with trace fine sand. Material is loose and wet (saturated) with a slight odor.			

Job Name	Tuchman Cleaners	Boring No.	SB-14	Groundwater Levels	
Job No.	20405.012.001.1323.00	Well Type	N/A	Date	Depth
Date Drilled	25 Jan 11	Drilling Method	Direct Push		
Drilling Co.	IEGS	Completion Depth	16.0 (ft bgs)		
Drill Foreman	Andy	Location			
Logged By	Michael Blair	Drill Rig Type	Geoprobe		

Depth ft BGS	Sample No.	Sample Blow Counts (per 6 in.)	Rec. (Ft.)	Visual Description	FID/OVA HEATED HEADSPACE
				Concrete	0.5'
2			1	Brown clayey silt with trace gravel. Material is soft and moist.	0.0 ppm
4					
6			3		0.2 ppm
8					
10			1	Brown fine grained sand with some silt. Material is very soft and moist.	8.5'
12					0.6 ppm
14			1	Yellow gravel with trace fine sand. Material is loose and wet (saturated) with some odor.	485 ppm
16					
18					

Job Name	Tuchman Cleaners	Boring No.	SB-15	Groundwater Levels	
Job No.	20405.012.001.1323.00	Well Type	N/A	Date	Depth
Date Drilled	25 Jan 11	Drilling Method	Direct Push		
Drilling Co.	IEGS	Completion Depth	16.0 (ft bgs)		
Drill Foreman	Andy	Location			
Logged By	Michael Blair	Drill Rig Type	Geoprobe		

Depth ft BGS	Sample No.	Sample Blow Counts (per 6 in.)	Rec. (Ft.)	Visual Description	FID/OVA HEATED HEADSPACE
				Asphalt	0.25'
2			2.25	Brown silty clay with trace gravel. Material is stiff, moist.	
4				Note: 1 ft. thick yellow sand & gravel. Material is loose, dry.	
6			1		
8				Note: Color change to mottled yellow and brown.	
10			2		8.5'
12				Note: black staining & odor @ 11.5ft.	
14			2	Grayish brown fine grained sand. Material is loose and wet with strong odor.	11. 767 ppm
16				Yellow gravel with some sand. Material is saturated, loose with a strong odor.	15.0'
18					

Job Name		Tuchman Cleaners		Boring No.	SB-01	Groundwater Levels	
Job No.		20405.012.001.1323.00		Well Type	N/A	Date	Depth
Date Drilled		24 Jan 11		Drilling Method	Direct Push		
Drilling Co.		IEGS		Completion Depth	16.0 (ft bgs)		
Drill Foreman		Andy		Location	Near SW Bldg Corner		
Logged By		Michael Blair		Drill Rig Type	Geoprobe		
Depth ft BGS	Sample No.	Sample Blow Counts (per 6 in.)	Rec. (Ft.)	Visual Description		FID/OVA HEATED HEADSPACE	
0.25'				Asphalt pavement		0.25'	
2			2.5	Yellow brown silty clay with trace gravel/sand. Material is very soft, and moist.		248 ppm	
4				Note: color grades to black starting @ 3.0'.			
6			2.5	Note: color grades to yellow brown starting @ 4.0'. Material grades to clay with a trace of silt, very soft, moist.		3.9 ppm	
8				Note: Brick fragment @ 8.0'.		8.0'	
10			1	Yellow brown sand & gravel with trace silt. Material is loose and moist.		22.6 ppm	
12						12'	
14	TCS-SB01 12411		2	Yellow brown gravel with some sand, trace silt. Material is loose, moist.		386 ppm	
16				Note: @ 15.0' soil is wet and has a strong odor.		16'	
18							

Job Name	Tuchman Cleaners	Boring No.	SB-02	Groundwater Levels	
Job No.	20405.012.001.1323.00	Well Type	N/A	Date	Depth
Date Drilled	24 Jan 11	Drilling Method	Direct Push		
Drilling Co.	IEGS	Completion Depth	16.0 (ft bgs)		
Drill Foreman	Andy	Location			
Logged By	Michael Blair	Drill Rig Type	Geoprobe		

Depth ft BGS	Sample No.	Sample Blow Counts (per 6 in.)	Rec. (Ft.)	Visual Description	FID/OVA HEATED HEADSPACE
				Asphalt pavement	0.25'
2			1.25	Yellow brown clay with trace silt/gravel. Material is very soft, and moist.	1.6 ppm
4					
6			1.5	Light tan and yellow sand & gravel. Material is loose, moist with some odor.	2.5 ppm
8					
10	TCS-SB02 12411		2		3.3 ppm
12					12'
14			1.25	Yellow brown gravel with trace sand & silt. Material is loose, wet.	1.8ppm
16					16'
18					

den: 1323-4E-ATTR

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